

Daily Analysis Runlog For Sequence/QC Batch ID # LB88746

Review By		Review On				
SubDirectory		LB88746		Test : Ammonia		

STD. NAME	STD REF.#
ICAL Standard	WP56452
ICV Standard	WP56454
CCV Standard	WP56453
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP56267
Chk Standard	WP54309,WP55755,WP55837,WP55838

Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.1PPM	0.1PPM	CAL1	07/17/17 14:51		OK
2	0.2PPM	0.2PPM	CAL2	07/17/17 14:51		OK
3	0.4PPM	0.4PPM	CAL3	07/17/17 14:51		OK
4	1.0PPM	1.0PPM	CAL4	07/17/17 14:51		OK
5	1.3PPM	1.3PPM	CAL5	07/17/17 14:51		OK
6	2.0PPM	2.0PPM	CAL6	07/17/17 14:51		OK
7	ICV1	ICV1	ICV	07/17/17 15:23		OK
8	ICB1	ICB1	ICB	07/17/17 15:23		OK
9	CCV1	CCV1	CCV	07/17/17 15:23		OK
10	CCB1	CCB1	CCB	07/17/17 15:23		OK
11	PB100665BL	PB100665BL	MB	07/17/17 15:23		OK
12	PB100665BS	PB100665BS	LCS	07/17/17 15:23		OK
13	I4196-01	FK-PS-01-012	SAM	07/17/17 15:23		OK
14	I4196-01DUP	FK-PS-01-012DUP	DUP	07/17/17 15:23		OK
15	I4196-01MS	FK-PS-01-012MS	MS	07/17/17 15:23		OK
16	I4196-01MSD	FK-PS-01-012MSD	MSD	07/17/17 15:23		OK
17	CCV2	CCV2	CCV	07/17/17 15:23		OK
18	CCB2	CCB2	CCB	07/17/17 15:23		OK



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Report of Analysis

Client:		Date Collected:	7/13/2017 12:00:00 AM
Project:	LB88746	Date Received:	7/13/2017 12:00:00 AM
Client Sample ID:	FK-PS-01-012	SDG No.:	LB88746
Lab Sample ID:	I4196-01	Matrix:	Solid
Level (low/med):	low	% Solid:	89.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	16.6		1	1.8		5.4	mg/Kg	07/14/2017	07/17/2017	SM4500-NH3



Report of Analysis

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Project:	LB88746	Date Received:	7/13/2017 12:00:00 AM
Client Sample ID:	FK-PS-01-012	SDG No.:	LB88746
Lab Sample ID:	I4196-01	Matrix:	Solid
Level (low/med):	low	% Solid:	89.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits



GENCHEM

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB88746

SDG No.: LB88746

Contract: _____ Lab Code: CHEM

Case No.: LB88746

SAS No.: LB88746

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV1	Ammonia as N	0.96	1	96	0	90 - 110		07/17/2017	15:23	LB88746
CCV2	Ammonia as N	0.98	1	98	0	90 - 110		07/17/2017	15:23	LB88746



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88746

SDG No.: LB88746

Contract:

Lab Code: CHEM

Case No.: LB88746

SAS No.: LB88746

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Ammonia as N	0.028	+/-0.1	U			0.1	07/17/2017	15:23	LB88746



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88746

SDG No.: LB88746

Contract:

Lab Code: CHEM

Case No.: LB88746

SAS No.: LB88746

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Ammonia as N	0.027	+/-0.1	U			0.1	07/17/2017	15:23	LB88746
CCB2	Ammonia as N	0.025	+/-0.1	U			0.1	07/17/2017	15:23	LB88746



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

LB88746

SDG No.:

LB88746

Contract:

Lab Code:

CHEM

Case No.:

LB88746

SAS No.:

LB88746

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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- 3b -
PREPARATION BLANK SUMMARY

Client: LB88746

SDG No.: LB88746

Instrument: Konelab 20

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB100665BL		SOLID		Batch Number:		PB100665		Prep Date:	07/14/2017	
	Ammonia as N	1.4	<4.9	U		4.9		07/17/2017	15:23	LB88746



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MATRIX SPIKE SUMMARY

client: LB88746 level: low sdg no.: LB88746
contract: lab code: CHEM case no.: LB88746 sas no.: LB88746
matrix: Solid sample id: I4196-01 client id: FK-PS-01-012MS
Percent Solids for Sample: 89.9 Spiked ID: I4196-01MS Percent Solids for Spike Sample: 89.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	59.8		16.6		54.5	79		



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB88746 level: low sdg no.: LB88746
contract: lab code: CHEM case no.: LB88746 sas no.: LB88746
matrix: Solid sample id: I4196-01 client id: FK-PS-01-012MSD
Percent Solids for Sample: 89.9 Spiked ID: I4196-01MSD Percent Solids for Spike Sample: 89.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	61.3		16.6		54	83		

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DUPLICATE SAMPLE SUMMARY

Client: LB88746 **Level:** LOW **SDG No.:** LB88746
Contract: **Lab Code:** CHEM **Case No.:** LB88746 **SAS No.:** LB88746
Matrix: Solid **Sample ID:** I4196-01 **Client ID:** FK-PS-01-012DUP
Percent Solids for Sample: 89.9 **Duplicate ID** I4196-01DUP **Percent Solids for Spike Sample:** 89.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	16.6		16.7		1		

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DUPLICATE SAMPLE SUMMARY

Client: LB88746 **Level:** LOW **SDG No.:** LB88746
Contract: **Lab Code:** CHEM **Case No.:** LB88746 **SAS No.:** LB88746
Matrix: Solid **Sample ID:** I4196-01MS **Client ID:** FK-PS-01-012MSD
Percent Solids for Sample: 89.9 **Duplicate ID** I4196-01MSD **Percent Solids for Spike Sample:** 89.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	59.8		61.3		2		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB88746

SDG No.: LB88746

Contract:

Lab Code: CHEM

Case No.: LB88746

SAS No.: LB88746

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB100665BS Ammonia as N	mg/Kg	48.5	46.3		95.5	80 - 120	